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### [TreadMarks: distributed shared memory on standard workstations and operating systems - all 22 versions »](#)

P Keleher, AL Cox, S Dwarkadas, W Zwaenepoel - Proceedings of the USENIX Winter 1994 Technical Conference ..., 1994 - portal.acm.org

... With lazy diff creation these pages remain writable until a diff ... holds the lock or did the last release on it, possibly after forwarding by the lock manager. ...

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### [Lazy Release Consistency for Software Distributed Shared Memory - all 30 versions »](#)

P Keleher, AL Cox, W Zwaenepoel - Computer Architecture, 1992. Proceedings., The 19th Annual ..., 1992 - ieeexplore.ieee.org

... by piggybacking data movement on lock transfer messages ... The directory manager forwards the request to the ... Page 3 4 Lazy Release Consistency 4.3 Data Movement ...

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### [Lightweight logging for lazy release consistent distributed shared memory - all 12 versions »](#)

M Costa, P Guedes, M Sequeira, N Neves, M Castro - ACM SIGOPS Operating Systems Review, 1996 - usenix.org

... TreadMarks implements lazy release consistency by ensuring that if interval x precedes interval y (according to ... It sends a request message to the lock manager. ...

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### [Performance Evaluation of Two Home-Based Lazy Release Consistency Protocols for Shared Virtual ... - all 12 versions »](#)

Y Zhou, L Ifode, K Li - usenix.org

... The AURC protocol [16] implements Lazy Release Consistency without ... After acquiring the lock, the compute processor of ... either the external memory manager or the ...

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### [\[PDF\] Lazy Release Consistency for Distributed Shared Memory - all 8 versions »](#)

P Keleher - 1995 - cs.umd.edu

... The manager process passes the address of the shared region to ... operations Tmk lock acquire and Tmk lock release , Tmk barrier . ... 2.2 Lazy Release Consistency ...

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### [A Comparison of Entry Consistency and Lazy Release Consistency Implementations - all 15 versions »](#)

SV Adve, AL Cox, S Dwarkadas, R Rajamony, W ... - Proceedings of the Second High Performance Computer ..., 1996 - doi.ieeeecs.org

... entry consistency (EC) and lazy release consistency (LRC), two relaxed memory ... We identify, in particular, extra synchronization, lock rebinding, and object ...

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### [The Relative Importance of Concurrent Writers and Weak Consistency Models - all 19 versions »](#)

P Keleher - Proceedings of the 16th International Conference on ..., 1996 - doi.ieeeecs.org

... We use lazy release consistent protocols for this study ... in IVY [ 131 and the eager release consistent protocol ... lock, the case where the lock manager is also ...

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### [Reduced overhead logging for rollback recovery in distributed shared memory - all 8 versions »](#)

G Sure, R Janssens, WK Fuchs - Urbana - doi.ieeeecomputersociety.org

... else send acquire request to lock manager; receive write ... log to stable storage; wait until lock is released ... Pseudo-code for logging with lazy release consistency ...

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[A Comparative Characterization of Communication Patterns in Applications Using MPI and Shared Memory ... - all 6 versions »](#)

S Karlsson, M Brorsson - Proceedings of 1998 Workshop on Communication, Architecture, ..., 1998 - Springer

... 1. The Lazy Release Consistency protocol in TreadMarks defers the ... The release of lock A will not result in ... holder of the lock (via a lock manager) and requests ...

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[\[Ps\] Home Migration in Home-Based Software DSMs - all 8 versions »](#)

WHW Shi, Z Tang - Proc. of the 1st Workshop on Software Distributed Shared ..., 1999 - cs.wayne.edu

... well accepted software DSM protocols such as lazy release consistency (LRC ... pages, a release message is sent to the associated lock manager to release the lock ...

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Key authors: [P Keleher](#) - [W Zwaenepoel](#) - [A Cox](#) - [S Dwarkadas](#) - [H Lu](#)



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